JOINT INVESTIGATION REPORT

INCIDENT NO: 2890351 JIV report S/N:0000792

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties)

A. GENERAL INFORMATION:
Fountain Incident Number: 2890351 2. Type of incident* OIL SPILL
Name of Location 6" SEIBOU BULKLINE
Name of nearest community TUBUBOU 5, State: BAYELSA 6, LGA EKEREMOR
Production Position and All RUIKLINE
Asset Owner Hub THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGHTAN
B. Asset Owner/Hub THE SHELL PETROLEUM DEVELOPMENT COMPANY OF NIGHTIAN B. INCIDENT INFORMATION:
b. Start date/time of Investigation: 297# JUNE, 2021 1380HRS
c. Investigation End date: 29TH JUNE 12021 Day(s) on site: ONECI) DAY
d. Description of spill point environment
Firm soil
□Under water □Swampy □Exposed pipe surface
□Well Platform (on water) □Drill Rig □Sand bag(s)
Additional observations around the spill point:
MOI APPLICABLE
711-21-21-2
e. Description of leak point (tick as applicable);
☐ Smooth round-edge hole ☐ Rough-edge hole ☐ Hack saw cut
Complete Rupture Inward dent, Well head tampering
Failed Weld-on illegal hot tap valve
Crude oil theft (illegal bunkering) point, Saver-pit over flow Third party tampering with Clamp
☐ Third party tampering with valve setting ☐ Bulging Outward ☐ Third party tampering with flange, ☐ Flare System/Bund wall failure ☐ Cold vent ☐ Surge vessel overflow,
☐ Flare System/Bund wall failure ☐ Cold vent ☐ Surge vessel overflow, ☐ Valve Failure ☐ Relief valve failure ☐ Accidental 3 <sup>rd</sup> party equipment impact
Tear ()
Others (specify)
f. Incident caused by:  ☐ Third party interference (Sabotage ☐; crude theft ☐; Line theft ☐; Accidental 3 <sup>rd</sup> party damage ☐)
Operational Others (including Mystery spills)
Louis (mending myster)
This can be (a) Oil Spill (b) Drilling fluid Chemical (c) Siliction (d) Water Leak (e) Fire (f) Non-leaking theft point removal

Version 2020/01

Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment); Blue (Host Community)

Page 1 of 8

000792

INCIDENT NO: 2890361 JIV report S/N:

	Northing:	LATITU		Easting: L	ong Tuot	and the second second
	4.83975		5.	Easting: Longilube 5.90435		
	put to with a spike of the fact of the put of the put of the following the spike of		e de la filologia de la cilia de la composición de la composición de la composición de la composición de la co En la cilia de la cilia de la cilia composición de la cilia de la composición del composición de la composición del composición dela composición de la composición dela composición dela composición dela composición del composi		and a second	
		an an ann an	4 de constituido est que de marinha de la procesa de la composição de la c	ga ngaya ka sayan sinana sinant sa ili akin sayan asat sharanni sinin maka at hi		
RISP	( ASSESSMEN	T				
10.	Details of Envi	ronment				
i,	Type of env	ironment where s	pill occurred (se	lect one):		
	Land	Swamp	□Water	Seasonal swam	p Shoreline/Waterfro	nt
i.	Type of env	rironment to which	h oil has spread:			
	Land	Swamp	□Waterbody (	(specify)		
ii.	Weather co	ndition				
	Dry	□Wet	□Windy	□Hot		
11.		sitive habitat with				
	☐ Drinking w ☐Surfac ☐ Built up Ar	ee water Bo	gnated protected and rehole mmercial/Industrial /	,m [ ,m	NONE SE	_
12.	Containment mea	sures put in place:				
	□Booms □	French Dyke	☐ Pit ☐ Natur	al depression Non	ne .	
	Others:					
13.	Any pictures or v	ideo coverage?		N [N]		
14.	Further response	/repair initiated as	at the time of JIV?	IYI W		
to it	em 14, give brief de	escription:				
	_		LABLE			

Version 2020/01

Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment); Blue (Host Community)

Page 2 of 8

INCIDENT NO: 2890351 JIV report S/N: 0000792
15. Was there any disruption to the investigation? [Y] [Y]  If yes to item 15 give brief description:
NOT, APPLICABLE
Reason(s):  Delayed Community Access Approval Others (specify)  N ]  N ]  N ]  Reason(s):  Access constraint due to terrain
D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL  17. Structures / Properties
S/N Type of Structures Description Size Number Comments  18. Crops/Economic Trees
S/N Type of crops Young Medium Matured Quantity Comments  19. Fish/Nets/Ponds
S/N Fish/Nets/Ponds Description Quantity/Size Comments  20. Others (Specify) e.g. Animal Traps
S/N Others Description Quantity/Size Comments  NONE WITH AREA OF MPACI
E. GRAPHIC DESCRIPTION OF LEAK POINT (while detailed description of the leak point should be contained in the leak report, overview sketch of the site should be added as appendix 1) A SECTION OF 6" SCHBOU BULKLINE NI TUBUBOU SHOWING A HACKSAW CUT AT 3 O'CLOU POSITION BONE BY UNKNOWN PERSONS.
HACKSAN CUII AT 3 O'CLOCK AT 3 POSITION

Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment);
Blue (Host Community)

Page 3 of 8

INCIDENT NO: 2890351 JIV report S/N: 0000792

#### F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

21. Impacted area boundary Coordinates (If more, Print and attach as Appendix)

S/N	Northing	Easting
ì	4-83817	5.9060
2	4.83908	5.9050
3	4.83956	5.90447
4	4.83971	5.90429
4	4.83984	5.90429
6	4-83 993	5.90410
7	4.84014	5.90388
8	4.84034	5.90392
9	4.84006	5.90421
10	4.83998	5.90435
11	4.83974	5.90464
12	4.83926	5.90507
13	4.83 825	5.90622

IN	ICIDENT NO: 2896351	JIV report S/N	: <b>0</b> 0007 <b>9</b> 2
INCIDENT IN	NFORMATION:		
a. Impacted	Area Details *		
	Total calculated area of impact (Ha)	0-73 Ha	Control of the Contro
	Impact within SPDC R.O.W	YES	and the second s
	Impact outside SPDC R.O.W	TES	
	imal places if area is $\geq 100 \text{ m}^2$ or to 4 decimal place	es if area is $< 100 \text{ m}^2$ (e.g. 14.55,	0.0051, 0.0009)
. Volume of	oil recovered before completion of JIV	(V <sub>recJ</sub> ):	
	Recovered oil V	ved: NIL	Barrels
Controlled te	covery/evacuation from source with no in MIL Barrels		
c. Net Estin	nated Spilled Volume V <sub>Est</sub> (bbls)* = 5	5.83 BARRELS	
<ul> <li>Reported spi.</li> </ul>	nation was done using an excel based tool. (see attached want notes taken into consideration for volume estimation)	for details on the calculation)	
version of m3 to barr	ctive estimated volume is to be done on site as far as practicles is Volume (m3) x 6.29; **Round up estimated volume in excess of I bbI is rounded up to the next who	e to next whole number using the follo le number,	imation software on site wing rules:
<ul> <li>Any spill volu</li> </ul>	me in less than I bbl is rounded up to the next 0.1	bbl.	
Examples:	Calculated volume = 15.3 bbl Reported volu Calculated volume = 0.35 bbl Reported volu Calculated volume = 0.01 bbl Reported volu	me = 0.4 bbl	
ever this estimation ation; record the ca	tool is not applicable please refer to paragraph 6c (Dev		numeriate stans for only

Distribution of copies: White (Asset Owner): Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment); Blue (Host Community)

Page 5 of 8

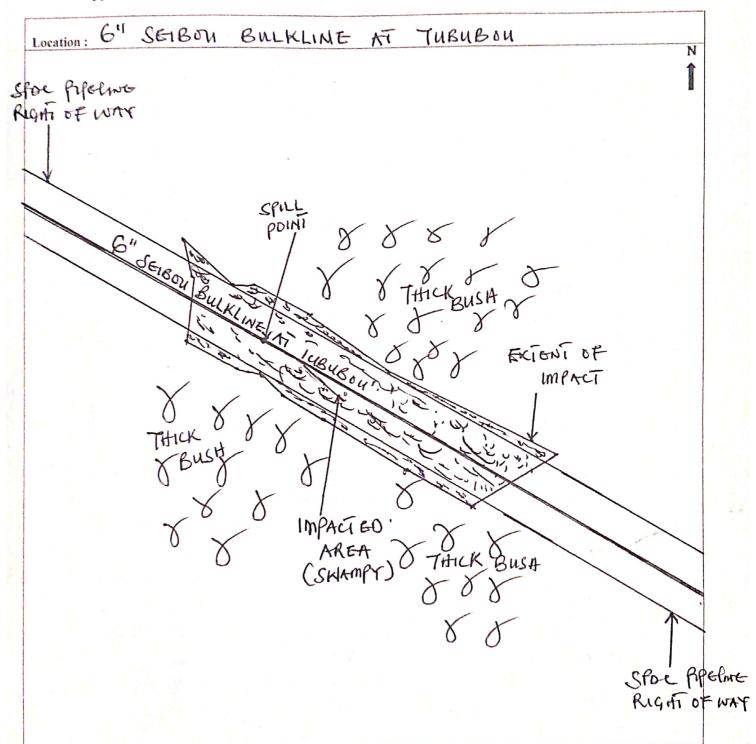
Scanned with CamScanner

Version 2020/01

	INCIDENT NO: 2890351 JIV report S/N: 000792
d.	General Status of the site
i.	Joint investigation of the incident site found that there is no residual impact after the initial response and JIT therefore recommend that the site be closed out
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works
e.	Representatives
Thi	is report was filled, agreed and signed by the following joint investigation team representatives:
	Host Community:
	Department of Petroleum Resources [DPR]:
	National Oil Spill Detection and Response Agency [NOSDRA]:       □
	State Ministry of Environment [SME]:
	• The Shell Petroleum Development Company [SPDC]:
	Separate DPR form has been filled out with same findings
	Separate NOSDRA form has been filled out with same findings
	Separate SME form has been filled out with same findings
	Tick as applicable

INCIDENT NO: 28 90351 JIV report S/N: 0000792

f. Appendix 1: Overview sketch of the site



Version 2020/01

Distribution of copies: White (Asset Owner); Pink (DPR); Green (NOSDRA); Yellow (State Ministry of Environment); Blue (Host Community) Page 7 of 8